Form 3160-3 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SEE ATTACHED FOR THE RESIDENCE OF CONDITIONS OF APPROVAL

175

FORM APPROVED OMB NO. 1004-0136 Expires: November 30, 2000

Approval Subject to General Requirements & Special Stipulations Attached

192463 3b. Phone No. (include area co 432-685-5717 equirements)* JAN 05 2009 OCD-ARTESI tesia, NM 16 No. of Acres in lease	8. Lease Nam OXY Cor 9. API Well 30-015 10. Field and I Wildcat 11. Sec., T., R Sec. 26 12 County or Eddy	- 34875 Pool, or Exploratory bevonian , M., or Blk and Survey or Are. T17S R27E
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tesia, NM	12 County or Eddy	Parish 13 State
	Eddy	
		I NIM
16 No. of Acres in lease		
	17 Spacing Unit dec	licated to this well
320		40/320
19 Proposed Depth	20 BLM/BIA Bond	i No. on file
100001		500106
		ES0136
• •	rt* 23.Estim	nated duration
12/1/08		45
Attachments		
and Gas Order No. 1, shall be attache	d to this form:	
Item 20 above). 5. Operator certification.		- -
me (Printed/Typed)		Date
avid Stewart		10/2/08
		101100
	mos	Date DEC 2 4 2008
CARLSBAD FIELD OFF	ICE	
or equitable title to those rights in the		h would entitle the applicant to FOR TWO YEARS
	villfully to make to a	nny department or agency of the
1-8-09	·	
	19 Proposed Depth 10525 ' 22 Approximate date work will star 12/1/08 Attachments and Gas Order No. 1, shall be attache 4. Bond to cover the operation of the properation of the pro	10525 22 Approximate date work will start* 12/1/08 Attachments and Gas Order No. 1, shall be attached to this form: 4. Bond to cover the operations unless covered by Item 20 above). 5. Operator certification. 6. Such other site specific information and/or plan authorized officer. ame (Printed/Typed) avid Stewart The CARLSBAD FIELD OFFICE or equitable title to those rights in the subject lease which APPROVAL me for any person knowlingly and willfully to make to a

State of New Mexico

DISTRICT I 1625 N. FRENCH DR., HORRS, NM 68240

Energy, Minerals and Natural Resources Department

DISTRICT II 1301 W. GRAND AVENUE, ARTESIA, NM 88210

Form C-102 Revised October 12, 2005 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT III 1000 Ric Brazos Rd., Astec, NM 87410 OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

DISTRICT IV WELL LOCATION AND ACREAGE DEDICATION PLAT ☐ AMENDED REPORT 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505 G10 S1935211+ Pool Name 30-015- 36875 Pool Code 96874 Wildcat Devonian - Undsg Logan Draw Morrow Property Code Property Name Well Number OXY COMMODORE FEDERAL 1 OGRID No Operator Name Elevation OXY USA WTP LP 192463 3524'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	26	17-S	27-E		1980	SOUTH	1980	WEST	EDDY

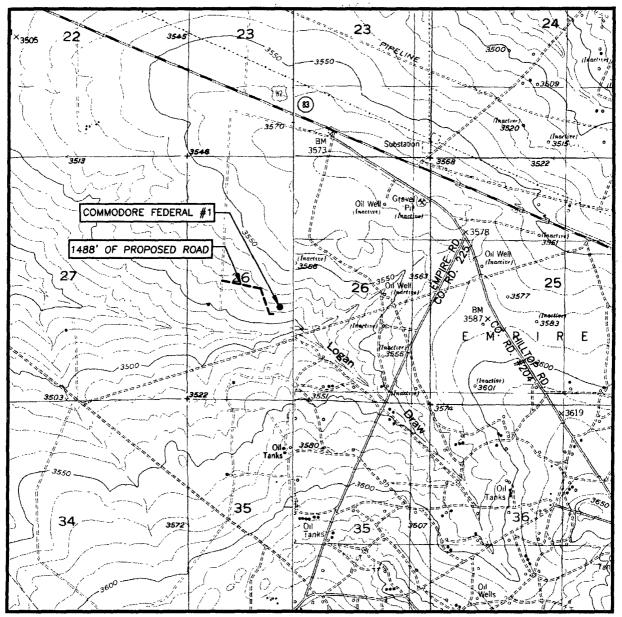
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acr	1 72424 2	r Infili Co	onsolidation (2-4- 0-	der No.				
40/320	N		onsolloscion (Lode Un	uer no.				

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

OR A NON-STANDARD UNIT HAS BEEN APPROV	ED BY THE DIVISION
produce in a second second of the second	
The state of the s	OPERATOR CERTIFICATION
	i hereby certify that the information herein is true and complete to the best of
	my knowledge and belief, and that this organization either owns a working interest
	or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this
	location pursuant to a contract with an
	or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
GEODETIC COORDINATES	11/1/11
NAD 27 NME	Signature Date
Y=655995.6 N	David Stewart
X=525256.3 E	Printed Name
LAT.=32.803394* N LONG.=104.251135* W	Sr. Reg. Analyst
LONG. = 104.237733 W	SURVEYOR CERTIFICATION
	I bereby certify that the well location
3529.9'	abown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is
1980'	true and correct to the best of my belief.
	DE05/055 44 0000
3510.8' 3510.3'	DECEMBER 14, 2006 Date Surveyed William AR
The state of the s	Date Surveyed AR Signature & Seal of Surveyor Professional Surveyor
Q	Professional Surveyor
. 86	1 2060
	Bay & Sussin 1/2/07
	06.17.1977
	Certificate No. GARY EIDSON 12641
Marin and the transfer of the property of the second secon	MONTH OF THE PROPERTY OF THE P

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: SPRING LAKE, N.M. - 10'

SEC. 26 TWP. 17-S RGE. 27-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 1980' FSL & 1980' FWL

ELEVATION 3524'

OPERATOR OXY USA WTP LP

LEASE COMMODORE FEDERAL

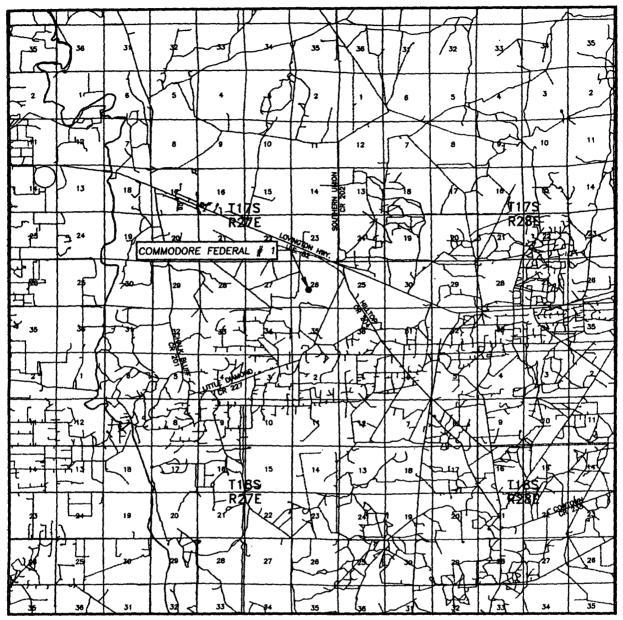
U.S.G.S. TOPOGRAPHIC MAP

SPRING LAKE, N.M.



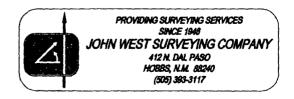
PROVIDING SURVEYING SERVICES SINCE 1948 JOHN WEST SURVEYING COMPANY 412 N. DAL PASO HOBBS, N.M. 88240 (505) 383-3117

VICINITY MAP

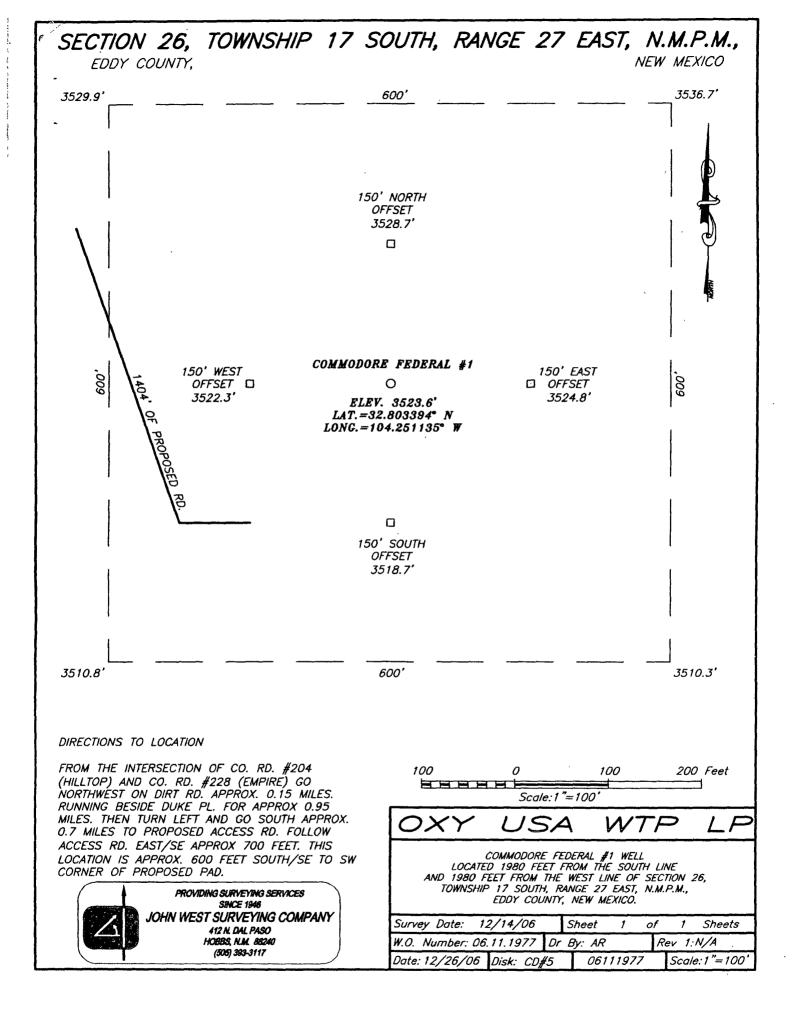


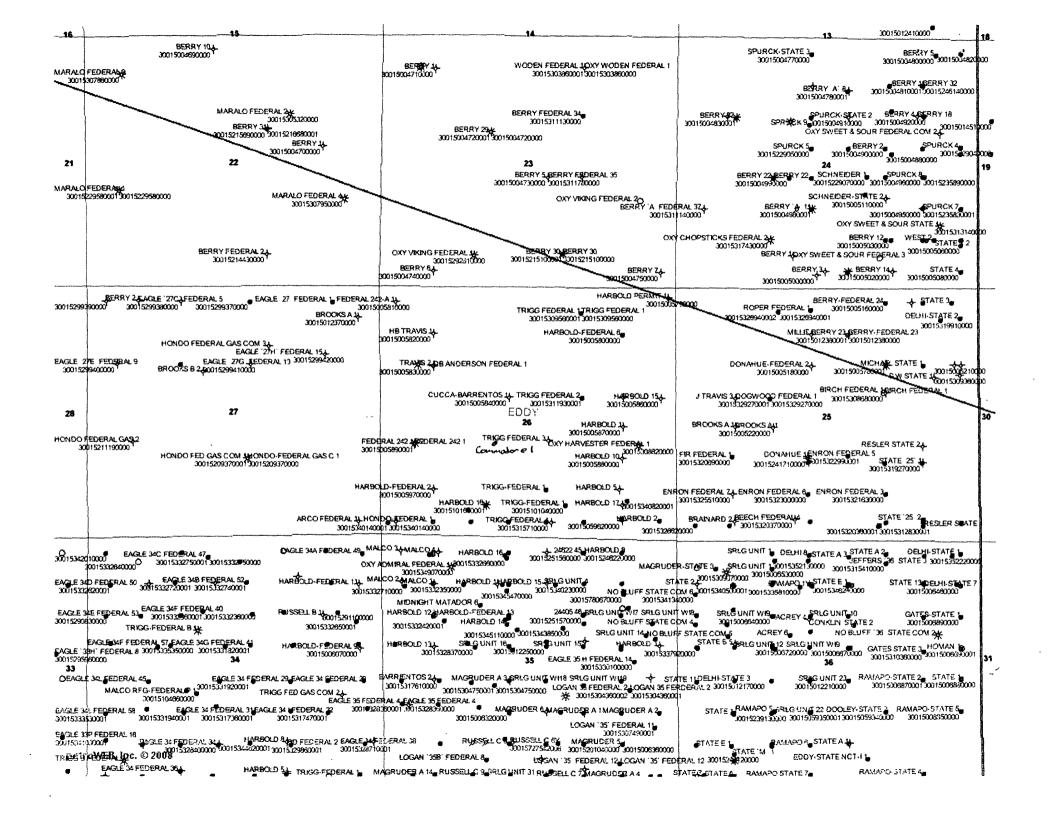
SCALE: 1" = 2 MILES

SEC. <u>26</u> TWP. <u>17-S</u> RGE. <u>27-E</u>
SURVEYN.M.P.M.
COUNTY EDDY STATE NEW MEXICO
DESCRIPTION 1980' FSL & 1980' FWL
ELEVATION 3524'
OPERATOR OXY USA WTP LP
LEASE COMMODORE FEDERAL









DRILLING PROGRAM

Operator Name

OXY USA WTP LP - 192463

Federal Lease No. NMLC064050

Lease Name/Number

OXY Commodore Federal #1

Surface Location:

1980 FSL 1980 FWL NESW(K) Section 26 T17S R27E Eddy Cty, NM

1. Geologic Name of Surface Formation:

a. Permian

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

Geological Marker	<u>Depth</u>	Type
a. Upper Permian Sand	250'	Water
b. Yates-7R-Queen	865'	Oil/Inj/Gas
c. GB-SA	1640'	Oil/ In j
d. Glorieta/Yeso	2985'	Oil/Inj
e. Tubb	4435'	Oil
f. Abo Reef	5116'	Oil/Inj
g. Wolfcamp	6220'	Oil/Gas
h. Atoka	8925'	Oil/Gas
i. Morrow	9255'	Gas
j. Devonian	10125'	Oil/Gas

3. Casing Program:

<u>Hole</u> <u>Size</u>	Interval	OD Csg	Weight	Collar	<u>Grade</u>	Condition	Collapse Design Factor	<u>Burst</u> <u>Design</u> <u>Factor</u>	Tension Design Factor
17-1/2"	400'	13-3/8"	48#	STC	H40	New	3.94	1.42	4.64
12-1/4"	1800'	9-5/8"	40#	LTC	K55	New	2.75	1.49	3.48
8-3/4"	10525'	5-1/2"	17#	LTC	L80	New	1.15	1.34	1.34

4. Cement Program:

а	. 13-3/8"	Surface	Circulate cement to Surface w/ 300sx HES light PP w/ 5% Salt + 1#/sx PhenoSeal, 12.8ppg 1.925yield followed by 250sx PP w/ CaC ₂ , 14.8ppg 1.347yield
b.	9-5/8"	Intermediate	Circulate cement to Surface w/ 500sx IFC w/ 3#/sx PhenoSeal, 11.5ppg 2.813yield followed by 200sx PP w/ 2% CaCl ₂ , 14.8ppg 1.347yield.
C.	5-1/2"	Production	DV Tool @ 7000'. Cement 1st stage w/ 810sx Super H w/ .5% HR-344 + .4% CFR-3 + 5#/sx Gilsonite + 1#/sx salt + .2% HR-7, 13ppg 1.685yield. Cement 2nd stage w/ 750sx IFH w/ 3#/sx Pheno-Seal, 11.5ppg 2.825yield followed by 150sx PP, 14.8ppg 1.326yield. Estimated TOC @ 1300'

The above cement volumes could be revised pending the caliper measurement. The TOC is designed to reach approximately 500' above the intermediate casing shoe.

* CONTINGENCY Casing/Cementing Program

<u>Hole</u> <u>Size</u>	<u>Interval</u>	OD Csg	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>	Condition	Collapse Design Factor	Burst Design Factor	Tension Design Factor
8-3/4"	9600'	7"	26#	LTC	P110	New	1.25	1.71	2.22
6-3/4"	9300-10525'	4-1/2"	11.6#	LTC	L80	New	1.16	1.52	2.38

c. 7" Production Cement w/ 250sx IFH w/ 3#/sx Pheno-Seal, 11.5ppg 2.825yield followed by 370sx Super H

w/ .5% HR-344 + .4% CFR-3 + 5#/sx Gilsonite + 1#/sx salt + .2% HR-7, 13ppg 1.685yield.

Estimated TOC @ 1300'.

d. 4-1/2" Liner Circulate cement to 9300' w/ 150sx Super H w/ .5% HR-344 + .4% CFR-3 + 5#/sx

Gilsonite + 1#/sx salt + .2% HR-7, 13ppg 1.685yield.

5. Pressure Control Equipment:

Surface 0-400' None

Production 400 - 10525' 13-5/8" X 10M Double Gate, Single Gate, 5M annular, 10M Choke Manifold

All BOP's and associated equipment will be tested to 1200psi with the rig pump before drilling out the 13-3/8" casing shoe. Prior to drilling out the 9-5/8" casing shoe, the BOP's and Hydril will be tested as per BLM Drilling Operations Order #2.

Pipe Rams will be operated and checked each 24-hour period and each time the drill pipe is out of the hole. These functional tests will be documented on the daily driller's log. A 2" kill line and 3" choke line will be incorporated in the drilling spool below the ram-type BOP. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines and choke manifold having a 5000 psi WP rating.

6. Proposed Mud Circulation System

<u>Depth</u>	Mud Wt.	<u>Visc</u>	<u>Fluid</u>	Type System
	ppg	sec	Loss	
0-400'	8.4-8.8	32-34	NC	Fresh Water/MI Gel Spud Mud
400-1800'	9.9-10.0	28-29	NC	Brine Water
1800-5950'	8.4	28-29	NC	Fresh Water
5950-8850'	9.9-10.0	28-29	NC	Cut Brine
8850-10525'	9.9-10 ,	32-36	6-8	Duo Vis/Poly Pac R/My Lo Jel

Per op erator 12/22/08 WWT

The necessary mud products for additional weight and fluid loss control will be on location at all times.

7. Auxiliary Well Control and Monitoring Equipment:

- a. A Kelly cock will be in the drill string at all times.
- b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
- c. Hydrogen Sulfide detection equipment will be in operation after drilling out the surface casing shoe until the production casing is cemented. Breathing equipment will be on location upon drilling the surface casing shoe until total depth is reached.

8. Logging, Coring and Testing Program:

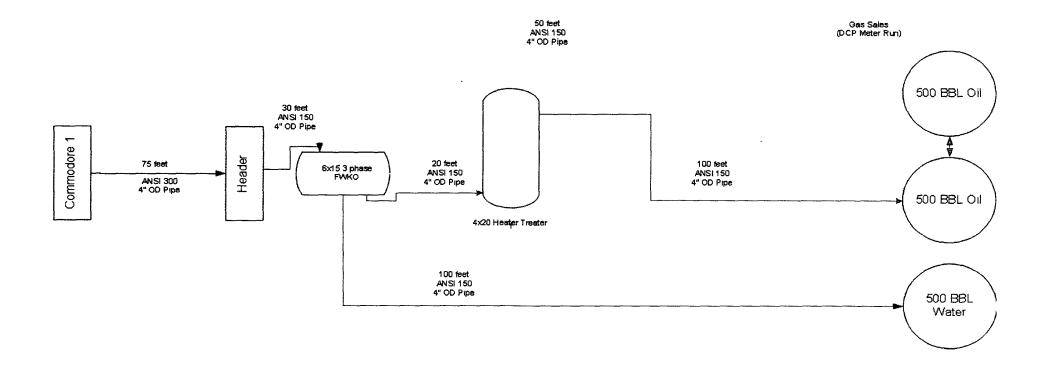
- a. Drill stem tests are not anticipated but if done will be based on geological sample shows.
- b. The open hole electrical logging program will consist of DLL\MLL\DS\GR\CALI\DL\NL-TD to Intermediate.
- c. No coring program is planned but if done will be sidewall rotary cores.
- d. Mud logging program will be initiated from 1800' to TD.

9. Potential Hazards:

No abnormal pressures, temperatures or H₂S gas are expected. The highest anticipated pressure gradient would be .55psi/ft. If H₂S is encountered the operator will comply with the provisions of Onshore Oil & Gas Order No. 6, Emergency Action Plan is attached. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely.

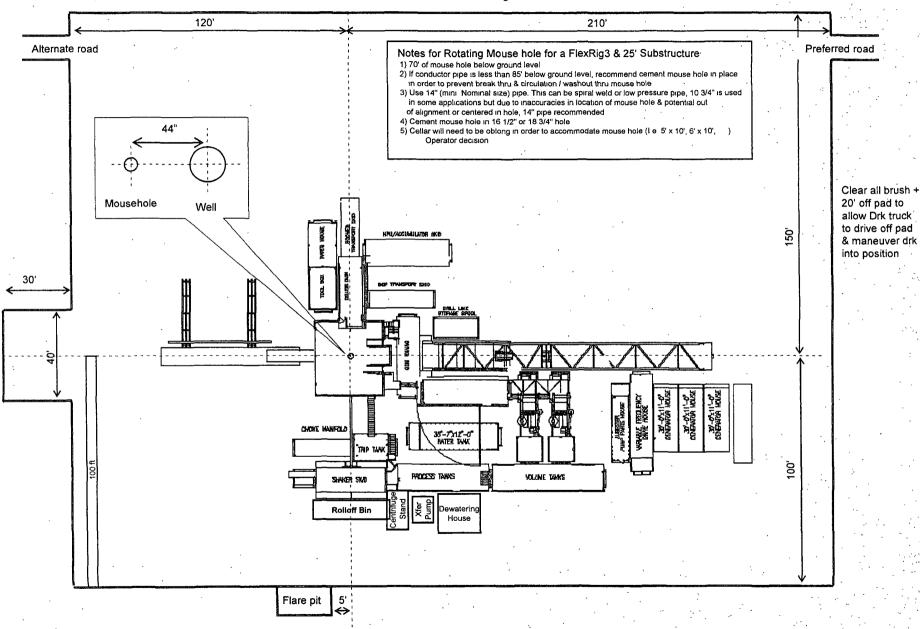
10. Anticipated Starting Date and Duration of Operations:

Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon as possible after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 45 days. If production casing is run, then an additional 30 days will be needed to complete the well and construct surface facilities and/or lay flow lines in order to place well on production.



OXY FLEX III PAD (Brandt Closed Loop System)

Level Area-No Caliche-For Offices and Living Quarters



Patterson-UTI Drilling Company

Rig # 498

14,000' - 16,000'

DRAWWORKS

OIME SL-7 rated 1,000HP w/3 engine compound

ENGINES

3 - Caterpillar 3412 diesel engines rated 485HP each

DERRICK

Parco 136' rated 750,000# SHL w/simultaneous setback capacity of 487,500#

SUBSTRUCTURE

Parco High Floor 20' with 17'3" rotary beam clearance

MUD PUMPS

2 - Gardner Denver PZ-9/398 rated 1,000HP, compound driven

DRILL STRING

4 1/2 " Drill pipe

186 JTS 20 # E; 185 JTS 20 # 6; 34 JTS 16.60 E

30 DC's - 6 1/3"

18 DC's - 7 1/2" - 7 3/4"

BLOWOUT PREVENTERS

13 5/8" \times 10,000# double gate. 13 5/8" \times 10,000# single gate. 13 5/8" \times 5,000# annular. 10,000# choke manifold

MUD SYSTEM

1200 – bbl sys w/Fluid System cleaner, Demco desander, Demco desilter & 2 Brandt 10HP mud mixers.

COMMUNICATIONS

24 hour direct cellular telephone

OTHER EQUIPMENT

Blocks. 350 ton traveling block and hook combo

Hook. 350 ton BJ

Swivel. Oilwell PC 300

Rotary Table.27 1/2 Skytop Brewster

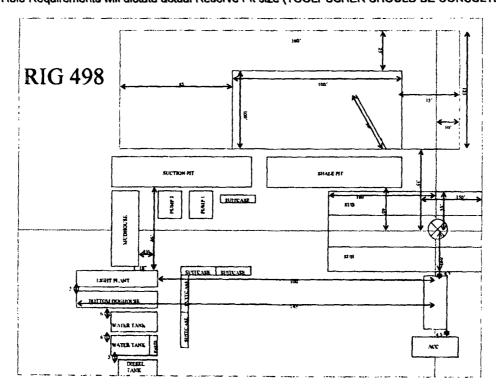
Electrical Power. 2 Cat 320KW, generators

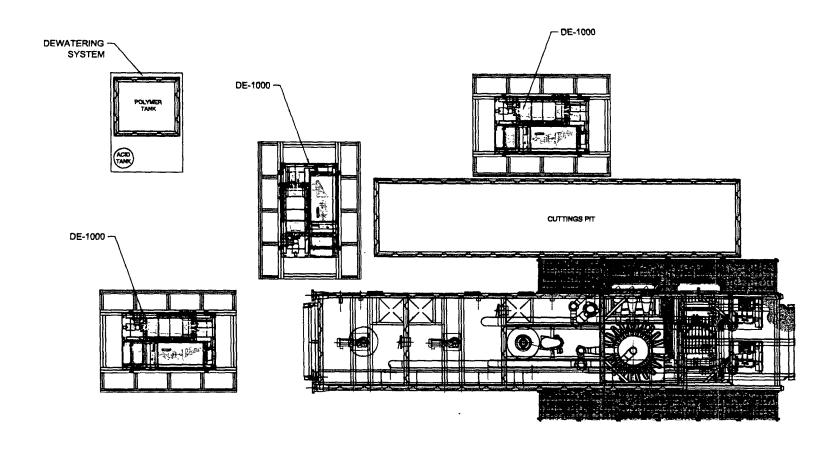
w/Cat D3412 diesel engines

Fresh Water Storage. Housing. 2 - 500 bbl

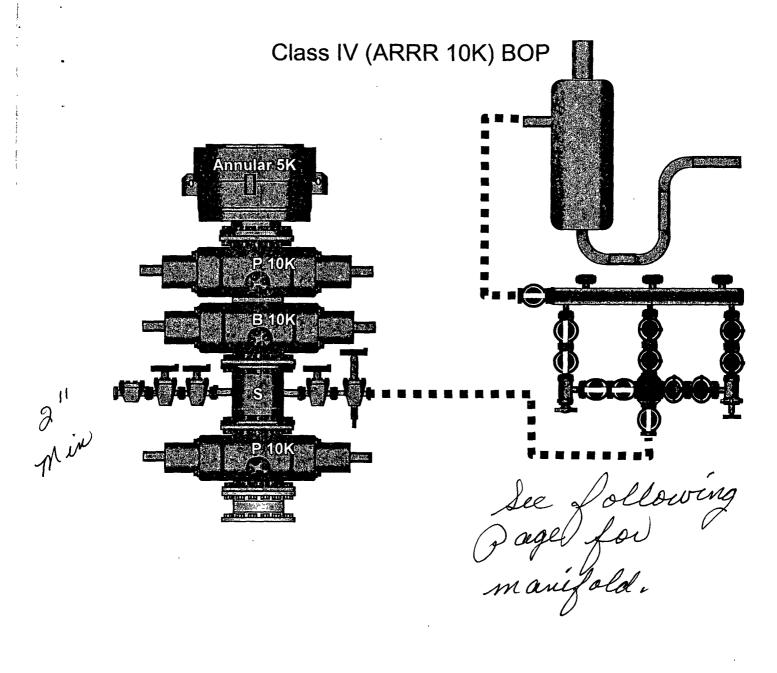
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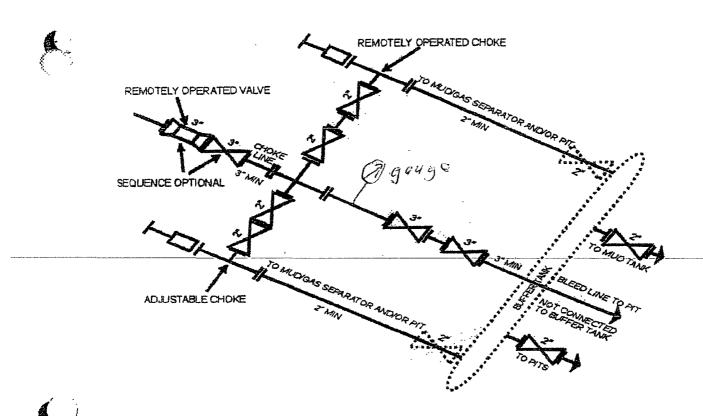
"Hole Requirements will dictate actual Reserve Pit size (TOOLPUSHER SHOULD BE CONSULTED)"





		1				1, ALL STRUCTURAL SATISFAL SHALL SE ASTA - ASIL	The state of the s
						2. ALL PAPE SCH. 40 MATERIAL SA 108 Gr. 8 3. ALL PLANGES SHOEL BE SCHT. 1805 & MATERIAL SA 108,	CLOSED LOOP SYSTEM
		\neg				4. ALL TITTINGS SCH. 40 MATERIAL SHALL BE SA 234 Cr. SPR.	
						B. THE PRESCRICK SHELL BE IN ACCOMMENCE WITH API-EED,	BASIC LAYOUT AND TIE IN
	 					The dualities, beforegibes and displacement on this drawing or applies are	oxy
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						one not to be reproduced or displaced to others by any mappe, in any	grade or mate common or mate Barbalana, Toping 77000
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		_	$\overline{}$			Sport international Circles, in receipt of much perrolation, spiny and already for the purposes generated. This drawing and any expire shall	F345 003
- T-		•	-	-	(MB)	be returned to Second International Limited upon request.	NTS D 5215-002





5M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, OR 15M drawings, it would also be applicable to those situations.

[54 FR 39528, Sept. 27, 1989]

OXY Permian

EMERGENCY ACTION PLAN

OXY Commodore Federal #1

DRILLING/WORKOVER
DRILLING AND CRITICAL WELL OPERATIONS

DRILLING/WORKOVER DRILLING AND CRITICAL WELL OPERATIONS

EMERGENCY ACTION PLAN

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PREFACE

An effective and viable Emergency Action Plan (EAP) is intended to provide prior planning and guidance in responding to emergency incidents. The primary considerations in its development are protection of personnel, the public, company and public property, and the environment.

Although the plan addresses varied emergency situations that may occur, it recognizes that flexibility and the use of the organization's knowledge and experience is critical to safe resolution of emergency incidents. Response actions outlined in the plan provide a framework, which may be placed into operation without confusion. These actions should promote quick and decisive actions during the critical initial period and immediately following an emergency. As the response progresses, additional guidelines and procedures may need to be implemented as the situation dictates. In addition, all emergency incidents must be properly reported per the Oxy Incident Reporting and Notification Policy, state and federal requirements, etc.

The following procedures are provided as Oxy Permian's minimum expectations. The Contractor's own procedures may be utilized in lieu of Oxy Permian's, provided that it meets or exceeds the minimum deliverables. It should be understood that this list is not all-inclusive, but the overall plan should assist in lateral application to similar incidents.

This EAP is intended for use on Oxy Drilling/Workover projects and the operations within their area of responsibility, such as drilling, critical well work, etc.

10/09/2008

EMERGENCY RESPONSE ACTIVATION AND GENERAL RESPONSIBILITIES

Activation of the Emergency Action Plan

- A. In the event of any emergency situation, all personnel on location should first ensure that the following items are initiated. After that, they should refer to the appropriate Specific Emergency Guidance sections on pages five (5) through nine (9) in this document for further responsibilities:
 - 1. Notify the senior ranking contract representative on site.
 - 2. Notify Oxy representative in charge.
 - 3. Notify civil authorities if the Oxy Representative cannot be contacted and the situation dictates.
 - 4. Perform rescue and first aid as required (without jeopardizing additional personnel).

General Responsibilities

Oxy Permian Personnel:

- A. Drill Site Manager: The Oxy Drilling/Critical Well Servicing Operations Specialist or contract personnel serving in that capacity will serve as Operations Chief Officer for all emergency incidents. The Operations Chief Officer is responsible for:
 - 1. Notification to the Drilling/Workover Team Leader of the incident occurrence.
 - Notification to the local RMT/PMT leader of the incident occurrence, and the need for the designated local RMT/PMT Incident Commander to act in that capacity for the response effort.
 - 3. Sole control of all tactical activities directed toward reducing the immediate hazard, establishing situational control and restoring the operations to a non-emergency state.
- B. Local RMT/PMT Designated Incident Commander: The Oxy local RMT/PMT Designated Incident Commander will serve as the overall Incident Commander for the drilling or critical well servicing emergency incident. The Incident Commander is responsible for:
 - 1. Coordinating with the Drilling Manager for notification to the Oxy Crisis Management team of the incident occurrence.
 - 2. Establishing and managing the overall incident command structure and response from inception through restoration of normal activities in the area.
- C. Drilling/Workover HES Tech: The Drilling/Workover HES Tech (or his designate) is responsible for reporting to the incident as soon as reasonably possible, to provide support to the response effort as required by the Operations Chief Officer or the Incident Commander.

Contract Drilling Personnel will immediately report to their assigned stations and perform their duties as outlined in the appropriate Specific Emergency Guidance sections on pages five (5) through nine (9) in this document.

Other Contractor Personnel will report to the safe briefing area to assist Oxy personnel and civil authorities as requested when it is safe to do so and if they have been adequately trained in their assigned duties.

Civil Authorities (Law Enforcement, Fire, and EMS) will be responsible for:

- 1. Establishing membership in the Unified Incident Command.
- 2. As directed by the Incident Commander and the Unified Command, control site access, re-route traffic, and provide escort services for response personnel.
- 3. Perform all fire control activities in coordination with the Unified Command.
- 4. Initiate public evacuation plans as instructed by the Incident Commander.
- 5. Perform rescue or recovery activities with coordination from the Unified Command.
- 6. Provide medical assistance as dictated by the situation at hand.

10/09/2008 Page 4 of 16

WELL CONTROL

The following procedures will be implemented when a loss of primary control is indicated. Indicators of loss of primary control are flow from the well, an increase in pit volume, or when the drilling fluid used to fill the hole on trips is less than the calculated pipe displacement volume. The emergency signal for well control procedures will be a single long blast of the rig air horn.

Kick While Drilling - Procedures And Responsibilities

Driller:

- 1. Stop the rotary and hoist the kelly above the rotary table.
- 2. Stop the mud pump(s).
- 3. Check for flow.
- 4. If flowing, sound the alarm immediately.
- 5. Ensure that all crew members fill their responsibilities to secure the well.
- 6. Record drill pipe and casing shut-in pressures and pit volume increase and begin kill sheet.

Derrickman:

- 1. Go to BOP/choke manifold area.
- 2. Open choke line valve on BOP.
- 3. Signal to Floorman #1 that the choke line is open.
- 4. Close chokes after annular or pipe rams are closed.
- 5. Record shut-in casing pressure and pit volume increase.
- 6. Report readings and observations to Driller.
- 7. Verify actual mud weight in suction pit and report to Driller.
- 8. Be readily available as required for additional tasks.

Floorman # 1:

- 1. Go to accumulator control station and await signal from Derrickman.
- 2. Close annular preventer and HCR on signal (if available, if not then close pipe rams).
- Record accumulator pressures and check for leaks in the BOP or accumulator system.
- 4. Report to Driller, and be readily available as required for additional tasks.

Floorman # 2:

- 1. Start water on motor exhausts.
- 2. Notify Contractor Tool Pusher or Rig Manager of well control situation.
- 3. Check location for ignition sources and extinguish or turn off, and stop any welding in progress.
- 4. Report to Driller, and be readily available as required for additional tasks.

Floorman # 3:

1. Stand-by with Driller, and be readily available as required for additional tasks.

Tool Pusher/Rig Manager:

- 1. Notify Oxy Representative and report to rig floor.
- 2. Review and verify all pertinent information.
- 3. Communicate information to Oxy Representative, and confer on an action plan.
- 4. Finalize well control worksheets, calculations and preparatory work for action plan.
- 5. Initiate and ensure the action plan is carried out.
- 6. Communicate any changes in well or site conditions, or any indications that the action plan needs to be revised to the Oxy representative.

Oxy Representative:

1. Notify Drilling Superintendent or Drilling Manager and RMT Leader or Local Incident Commander, and Police, Fire Department, or other local emergency services as required.

WELL CONTROL (continued)

Kick While Tripping - Procedures and Responsibilities

Driller:

- 1. Sound the alarm immediately when pipe displacement volume is less than 75% of calculated.
- 2. Position the upper tool joint just above rotary table and set slips.
- 3. Check for flow.
- 4. Ensure that all crew members fill their responsibilities to secure the well.
- 5. Record drill pipe and casing shut-in pressures and pit volume increase, and begin kill sheets.

Derrickman: (same as while drilling)

Floor Man # 1:

- 1. Install full opening valve (with help from Floorman #2) in top drill string connection.
- 2. Tighten valve with make up tongs.
- 3. Go to accumulator control station and await signal from Derrickman.
- 4. Close annular preventer and HCR valve on signal (if available, if not then close pipe rams).
- 5. Record accumulator pressures and check for leaks in the BOP and accumulator system.
- 6. Report to Driller, and be readily available as required for additional tasks.

Floor Man # 2:

- 1. Assist installing full opening valve in drill string.
- 2. Position back-up tongs for valve make-up.
- 3. Start water on motor exhausts.
- 4. Notify Contractor Tool Pusher or Rig Manager of well control situation.
- 5. Check location for ignition sources and extinguish or turn off, and stop any welding in progress.
- 6. Report to Driller, and be readily available as required for additional tasks.

Floorman # 3, Rig Manager/Tool Pusher, and Oxy Representative: (same as while drilling)

H2S RELEASE

The following procedures and responsibilities will be implemented on activation of the H2S siren and lights.

All Personnel:

1. On alarm, don escape unit (if available) and report to upwind briefing area.

Rig Manager/Tool Pusher:

- 1. Check that all personnel are accounted for and their condition.
- 2. Administer or arrange for first aid treatment, and /or call EMTs as needed.
- 3. Identify two people best suited to secure well and perform rescue, and instruct them to don SCBA.
- 4. Notify Contractor management and Oxy Representative.
- 5. Remain at the briefing area, assess and monitor personnel and overall situation for hazards or conditions that might warrant a change in the action plan.

Two People Responsible For Shut-in and Rescue:

- 1. Don SCBA and acquire tools to secure well and perform rescue, i.e., wrenches, retrieval ropes, etc.
- 2. Utilize the buddy system to secure well and perform rescue(s).
- 3. Return to the briefing area and stand by for further instructions.

All Other Personnel:

1. Remain at the briefing area and await further instructions - do not leave unless instructed.

Oxy Representative:

- 1. Remain at the briefing area, assess and monitor personnel and overall situation for hazards or conditions that might warrant a change in the action plan.
- 2. Notify Drilling Superintendent or Drilling Manager and RMT Leader or Local Incident Commander, and Police, Fire Department, or other local emergency services as required.

PERSONAL INJURY OR DEATH

Call for assistance, and then administer first aid for the injured. Treatment should be prioritized by life-threatening conditions.

A. Do not move injured personnel unless they are in imminent danger. An ambulance should be summoned for any injury that appears to be serious.

FIRE OR EXPLOSION

Fire Fighting Philosophy

It is Oxy Permian's intent that Oxy and contract personnel will only extinguish incipient or beginning stage fires and perform or assist in initial non-threatening rescue operations. The responding fire department will be given primacy when they arrive to control a fire on any Oxy property. Any Oxy or contract employee who participates in a fire response must be fully trained and qualified as such, and must be utilizing appropriate Personal Protective Equipment.

Contract and Oxy Personnel Deployment

In the event of a fire or explosion all personnel will report to the safe briefing area. The Senior Contract Representative on site will designate personnel for rescue as appropriate depending on their qualifications and the risks of the rescue. Any rescue which involves significant risk to those performing the rescue should be deferred to professional response personnel.

No personnel will leave the area without direction / permission from the Senior Contract Representative onsite.

The Senior Contract Representative on site will notify local emergency response personnel as required, along with the Contract Company management and the Oxy Representative as soon as reasonably possible.

SPILLS

In the event of a significant spill of any substance, the person discovering it should immediately notify the rig supervisor and the Oxy Representative. Personnel onsite should **NOT** attempt identification, control or containment unless they are absolutely sure of the product spilled, are fully aware of the hazard characteristics, and are equipped with the appropriate personal protective equipment.

HYDROCARBON VAPOR CLOUD RELEASE

Upon discovery of a Hydrocarbon Vapor Cloud (NGL) release, take immediate safety precautions to protect any company personnel or others that might be in the area. Other emergency actions should be initiated only by trained expert personnel from the appropriate pipeline company.

The following guidelines should be followed:

- 1. Immediately notify the rig supervisor and the Oxy Representative.
- 2. Determine wind direction, and evacuate upwind or at 90 degrees to the release.
- 3. Maintain a safe distance from the cloud.
- 4. Render first aid and call for an ambulance as necessary.
- 5. Attempt to warn approaching individuals of the hazard.

BOMB THREAT

In the event of a bomb threat, the person receiving the call, on or off site, should try to get as much information as possible from the caller. The person receiving the call should immediately contact the supervisor in charge. Evacuation of the field should be considered at this time. Roadblocks may need to be installed. The supervisor in charge should make all appropriate contacts.

The Supervisor contacted should:

- a. Realize that every bomb threat is serious.
- b. Notify Corporate Security
- c. Inform Police/Sheriff's Department and Fire Department
- d. Contact RMT Leader or his designated relief to coordinate search efforts with the assistance of the local law enforcement agencies.

BOMB THREAT CHECKLIST

Date Name of person taking call			P	hone # call came on
FILL OUT COM	IPLETELY IMMEDIA	TELY AFTER BO	MB THREAT	
 Where is the What does t What type o What will ca Did the calle Why did the What is the 	use the bomb to explor place the bomb? caller place the bomb caller's name and add	ode? o? dress?		
	_AgeRaceLen			
DESCRIPTION	OF CALLER'S VOIC	E (Check all that	apply)	
Calm Angry Excited Slow Loud	Rapid Crying Normal Distinct Slurred	Laughing Raspy Deep Ragged Nasal	LispAccentStutterDeepClearing Th	DisguisedFamiliar? Who did it sound like?Deep Breathing roat
BACKGROUNI	O SOUNDS:			
Street NoisesVoicesOffice	House NoisesMotorClear	FactoryMachineryAnimalsOther	Music Static PA System	Local Call Long Distance Phone Booth
THREAT LANG	BUAGE:			
Well-Spoke Message Ro	nFoul ead by Threat Maker	Incoherent	Irrational	Taped
REMARKS:				

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NATURAL DISASTERS

Tornadoes

These general procedures should be followed by everyone seeking shelter from a severe storm or tornado:

Indoors:

- 1. Protect yourself from flying glass and debris.
- 2. Take refuge near the core of the building for maximum protection.
- 3. Do not smoke while taking shelter.
- 4. Shut all doors to offices, if time permits.

In the field:

- 1. Seek cover in a low-lying area, such as a culvert, ditch, pit, or water injection valve box.
- 2. Get out of and away from your vehicle.
- 3. Stay away from power lines.
- 4. Cover your head with your arms and clothing.

Thunderstorms

Indoors:

- 1. Avoid water pipes, sinks, showers, tubs, etc.
- 2. Stay away from doors and windows.
- 3. Do not use the telephone.
- 4. Take off head sets.
- 5. Turn off, unplug, and stay away from appliances, computers, power tools, & TV sets.

In the field:

- Avoid water.
- 2. Avoid high ground and open spaces.
- 3. Avoid all metal objects including electric wires, fences, machinery, motors, power tools, etc. <u>Unsafe places</u> include underneath canopies, small picnic or rain shelters, or near trees. Where possible, find shelter in a substantial building or in a fully enclosed metal vehicle such as a car, truck or a van with the windows completely shut. If lightning is striking nearby when you are outside, you should:
 - a. Crouch down, feet together, hands over ears
 - b. Avoid proximity (minimum of 15 ft.) to other people.
- 4. SUSPEND ACTIVITIES for 30 minutes after the last observed lightning or thunder.

PUBLIC RELATIONS

Oxy recognizes that the news media have a legitimate interest in incidents at Oxy facilities that could affect the public. It is to the company's benefit to cooperate with the news media when incidents occur because these media are our best liaison with the public.

Our objective is to see that all reports of any emergency are factual and represent the company's position fairly and accurately. Cooperation with news media representatives is the most reliable guarantee that this objective will be met.

All contract and Oxy employees are instructed <u>NOT</u> to make any statement to the media concerning the emergency incident. If a media representative contacts any employee, they should refer them to the designated Emergency Command Center where they should contact the Incident Commander or his designated relief for any information concerning the incident.

Drilling Dept. Emergency Contact list

Drilling Manager

Bob Joseph

713-366-5798 office

661-333-7356 cell

home

Drilling Superintendent Festus Hagan

713-366-5946 office

432-894-5352 cell

home

Drilling Eng. Supervisor Richard Jackson 432-685-5877 office

432-894-7867 cell

432-689-0804 home

HES Specialist-Drilling Allan Wells 432-685-5723 office

432-894-1011 cell

432-695-4352 home

Drue Dunaway 432-685-5715 office Drilling Coordinator

432-556-3288 cell

432-524-2161 home

Drilling Coordinator Kevin Videtich 806-592-6213 office

806-891-2000 cell

806-894-2242 home

OXY Permian Incident Reporting Phone List

OAT I CHIIMIN CHSIS I CAIR HOURIE TOURICALION	OXY Permia	ın Crisis	Team Hotline	Notification
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(713) 935-7210

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Person	Location	Office Phone	Cell/Mobile Phone
Asset Management-Operations Areas OXY Permian President & General Manager:			T
Ken Dillon	Houston	(713) 366-5140	(661) 333-9315
Operations Support Manager: Rick Callahan	Houston	(713)-215-7578	(281) 389-1141
Asset Development Manager-Jeff Simmons	Houston	(713) 366-5124	(713) 560-8073
Public Affairs: Stacey Crews	Houston	(713) 366-5304	(713) 416-8381
•			
Operations South-Frontier		<u> </u>	Γ
RMT Lead Frontier-Kris Raghavan	Houston	(713) 366-5018	(281) 415-8387
RMT Lead South-Keith Brown	Houston	(713) 366-5354	(713) 264-1114
Surface Operations Team Lead-Bill Elliott	Midland	(432) 685-5845	(432) 557-6736
Well Operations Team Lead-Leamon Hood	Midland	(432) 685-5794	(432) 634-4486
Well Servicing Team Lead-Vicki Hollub	Houston	(713) 215-7332	(713) 885-6347
WST Coord Frontier-Kirk Hobbs	Midland	(432) 685-5951	(432) 634-3890
WST Coord South-Robert Ricks	Midland	(432) 685-5821	(432) 634-8791
NM Frontier Oper Coord -Larry Sammons	Carlsbad	(575) 887-8337	
NM-South Oper Coord-James Bruton	Seminole	(432) 385-2778	(432) 634-6152
Completion Specialist-Van Barton	Carlsbad	(575) 887-8337	,
Completion Specialist-Dale Redding	Hobbs	(432) 385-3206	
HES Staff & Areas of First Contact Support		,	
HES Manager: John Kirby	Houston	(713) 366-5460	(281) 974-9523
Environmental Engineer, Air: Peggy Waisanen	Midland	(432) 685-5673	(432) 894-1968
Administrative Assistant: Judy Browning	Midland	(432) 685 5692	(432) 661 1048
Environmental Consultant: Dennis Newman	Houston	(713) 366-5485	(713) 560-8060
Safety Engineer: Derek Purvis	Houston	(713) 366-5932	(713) 582-1848
Pipeline Safety: Don Bales	Midland	(432) 685-5844	(432) 894-1960
HES Lead-Pete Maciula	Midland	(432) 685-5667	(432) 557-2450
HES Specialist: Eddie Gonzales	Midland	(432) 685-5929	(432) 556-6790
HES Specialist-Drilling: Allan Wells	Midland	(432) 685-5723	(432) 894-1011
HES Tech & Area of Responsibility	· .		
Wasson San Andres RMT: Mark Andersen	Denver City	(806) 592-6299	(806) 215-0077
Hobbs RMT: Steve Bishop	Hobbs	(575) 397-8251	(575) 390-4784
Frontier-New Mexico: Rick Kerby	Carlsbad	(575) 887-8337	(575) 631-4972
South-New Mexico-Tony Summers	Hobbs	(575) 397-8236	(575) 390-9228
Regulatory Affairs			
Lead-Liz Bush-Ivie	Houston	(713) 366-5303	832-474-3701

		· · · · · · · · · · · · · · · · · · ·	·
Regulatory Analyst-David Stewart	Midland	(432) 685-5717	
Regulatory Analyst-Elizabeth Casbeer	Midland	(432) 685-5755	
Regulatory Analyst-Mark Stephens	Houston	(713) 366-5158	
DOT-Pipeline Response Numbers		•	
N. Hobbs Unit: Steve Bishop	Hobbs	(575) 397-8251	(575) 390-4784
Wasson PMT: Todd King	Denver City	(806) 592-6274	(806) 215-0183
Bravo/Slaughter PMT: Gary Polk	Levelland	(806) 229-9708	(806) 638-2425
Cogdell RMT: Dean Peevy	Cogdell	(325) 573-7272	(325) 207-3367
Sharon Ridge: Carl Morales	Sharon Ridge	(325) 573-6341	(325) 207-3374
All DOT Pipeline Support: Donald Bales	Midland	(432) 685-5844	(432) 894-1960
711 DOTT perme support. Bonard Bules	TVIIdidiid	(132) 003 3044	(432) 671 1700
OOGC HES Contacts	•		
Manager HES: Wes Scott	OOGC – Houston	(713) 215-7171	(713) 203-4050
Worldwide Safety Mgr: Greg Hardin alternate	OOGC – Houston	(713) 366-5324	(713) 560-8037
Worldwide Environ. Mgr: Ravi Ravishankar	OOGC – Houston	(713) 366-5039	(832) 863-2240
,	, ,		
OOGC Risk Management		T	
Jim Garrett	Los Angeles	(310) 443-6588	(310) 710-3233
Greg LaSalle, alternate	Los Angeles	(310) 443-6542	(310) 710-2255
OSI			•
Workers Comp. Claim Manager: Steve Jones	Dallas .	(972) 404-3542	
Workers Comp. Claims: Mark Ryan	Dallas	(972) 404-3974	
Auto Claims: Steve Jones	Dallas	(972) 404-3542	
	•	٠,	•
Gallagher Bassett Workers Comp. & Property Damage Claims-		(972) 728-3600	
OXY Permian Ltd.: Danny Ross		X252	(800) 349-8492
Axiom Medical Consulting	T		
Medical Case Management	<u> </u>	(877) 502-9466	• •
OVV Downian Local	, ,		
OXY Permian Legal Tom Janiszewski	Houston	(713) 366-5529	(713) 560-8049
Tom Jamszewski	nousion	(713) 300-3329	(713) 300-8049
Human Resources	•		•
H.R. Manager: Barbara Bernhard	Houston	(713) 215-7150	. (713) 702-7949
H.R. Consultant: Amy Thompson	Houston	(713) 215-7863	(281) 799-7348
H.R. Consultant: Laura Matthews	Houston	. (713) 366-5137	(713) 569-0386
H.R. Consultant: Jill Williams	Midland	(432) 685-5818	(432) 661-4581
	· .		
Corporate Security		- , , , , , , , , , , , , , , , , , , ,	
Frank Zapalac	Houston	(713) 215-7157	(713) 829-5753
Hugh Moreno, alternate	Houston	(713) 215-7162	(713) 817-3322

Regulatory Agencies

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Bureau of Land Management	Carlsbad, NM	(575) 887-6544	
Bureau of Land Management	Hobbs, NM	(575) 393-3612	
Bureau of Land Management	Roswell, NM	(575) 393-3612	
Bureau of Land Management	Santa Fe, NM	(505) 988-6030	•
DOT Juisdictional Pipelines-Incident	Suitu 1 0, 1 (1)	(602) 300 0020	
Reporting New Mexico Public Regulation		(505) 827-3549	
Commission	Santa Fe, NM	(505) 490-2375	
DOT Juisdictional Pipelines-Incident			
Reporting Texas Railroad Commission	Austin, TX	(512) 463-6788	
EPA Hot Line	Dallas, Texas	(214) 665-6444	
Federal OSHA, Area Office	Lubbock, Texas	(806) 472-7681	
National Response Center	Washington, D. C.	(800) 424-8802	
National Infrastructure Coordinator Center		(202) 282-9201	
New Mexico Air Quality Bureau	Santa Fe, NM	(505) 827-1494	
New Mexico Oil Conservation Division	Artesia, NM	(575) 748-1283	
New Mexico Oil Conservation Division	Hobbs, NM	(575) 393-6161	
New Mexico Oil Conservation Division	Santa Fe, NM	(505) 471-1068	
		(505) 827-7152	
New Mexico OCD Environmental Bureau	Santa Fe, NM	(505) 476-3470	
New Mexico Environmental Department	Hobbs, NM	(575) 827-9329	
NM State Emergency Response Center	Santa Fe, NM	(505) 827-9222	
	District 8, 8A Midland,		
Railroad Commission of TX	TX	(432) 684-5581	
Texas Emergency Response Center	Austin, TX	(512) 463-7727	·
TCEQ Air	Region 2 Lubbock, TX	(806) 796-3494	
TCEQ Water/Waste/Air	Region 7 Midland, TX	(432) 570-1359	

Medical Facilities

Artesia General Hospital	Artesia, NM	(575) 748-3333
Guadalupe Medical Center	Carlsbad, NM	(575) 887-6633
Lea Regional Hospital	Hobbs, NM	(575) 492-5000
Medical Arts Hospital	Lamesa, TX	(806) 872-2183
Medical Center Hospital	Odessa, TX	(432) 640-4000
Memorial Hospital	Seminole, TX	(432) 758-5811
Midland Memorial Hospital	Midland, TX	(432) 685-1111
Nor-Lea General Hospital	Lovington, NM	(575) 396-6611
Odessa Regional Hospital	Odessa, TX	(432) 334-8200
St. Mary's Hospital	Lubbock, TX	(806) 796-6000
Union County General Hospital	Clayton, NM	(505) 374-2585
University Medical Center	Lubbock, TX	(806) 743-3111

Local Emergency Planning Comm.

Richard H. Dolgener	Andrews County, TX	(432) 524-1401	
Joel Arnwine	Eddy County, NM	(575) 887-9511	s s
County Judge Judy House	Gaines County, TX	(432) 758-5411	
Myra Sande	Harding County, NM	(505) 673-2231	, ,
Jerry Reynolds	Lea County, NM	(575) 396-8600	(575) 399-2376

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		T .	
Royce Creager	Loving County, TX	(432) 377-2231	, 5, 1
Mike Cherry	Quay County, NM	(505) 461-2476	
Della Wetsel	Union County, NM	(505) 374-8896	,
Bonnie Leck	Winkler County, TX	(432) 586-6658	
Carl Whitaker	Yoakum County, TX	(806) 456-7491	
Law Enforcement - Sheriff	•		
Andrews Cty Sheriff's Department	Andrews County	(432) 523-5545	
Eddy Cty Sheriff's Department	Eddy County (Artesia)	(575) 746-2704	
Eddy Cty Sheriff's Department	Eddy County (Carlsbad)	(575) 887-7551	
Gaines Cty Sheriff's Department	Gaines County (Seminole)	(432) 758-9871	
Lea Cty Sheriff's Department	Lea County (Eunice)	(575) 384-2020	
Lea Cty Sheriff's Department	Lea County (Hobbs)	(575) 393-2515	
Lea Cty Sheriff's Department	Lea County (Lovington)	(575) 396-3611	
Union Cty Sheriff's Department	Union County (Clayton)	(505) 374-2583	
Yoakum City Sheriff's Department	Yoakum Co.	(806) 456-2377	
Law Enforcement - Police			
Andrews City Police	Andrews, TX	(432) 523-5675	
Artesia City Police	Artesia, NM	(575) 746-2704	
Carlsbad City Police	Carlsbad, NM	(575) 885-2111	
Clayton City Police	Clayton, NM	(505) 374-2504	
Denver City Police	Denver City, TX	(806) 592-3516	
Eunice City Police	Eunice, NM	(575) 394-2112	
Will Co. D.C.	, , , , , , , , , , , , , , , , , , ,	(575) 397-9265	
Hobbs City Police	Hobbs, NM	(575) 393-2677	
Jal City Police	Jal, NM	(575) 395-2501	
Lovington City Police	Lovington, NM	(575) 396-2811	
Seminole City Police	Seminole, TX	(432) 758-9871	
Law Enforcement - FBI	,	·	, ,
FBI	Alburqueque, NM	(505) 224-2000	,
FBI	Midland, TX	(432) 570-0255	, , , , , , , , , , , , , , , , , , , ,
Law Enforcement - DPS			
NM State Police	Artesia, NM	(575) 746-2704	
NM State Police	Carlsbad, NM	(575) 885-3137	- 1
NM State Police	Eunice, NM	(575) 392-5588	
NM State Police	Hobbs, NM	(575) 392-5588	
NM State Police	Clayton, NM	(505) 374-2473; 911	,
TX Dept of Public Safety	Andrews, TX	(432) 524-1443	- ,
TX Dept of Public Safety	Seminole, TX	(432) 758-4041	
TX Dept of Public Safety	Yoakum County TX	(806) 456-2377	,

· (505) 633-9113 Amistad/Rosebud Page 14 of 15

Firefighting & Rescue

		(432) 523-4820
Andrews	Andrews, TX	(432) 523-3111
Artesia	Artesia, NM	(575) 746-5051
Carlsbad	Carlsbad, NM	(575) 885-3125
Clayton	Clayton, NM	(505) 374-2435
Denver City	Denver City, TX	(806) 592-5426
Eunice	Eunice, NM	(575) 394-2111
Hobbs	Hobbs, NM	(575) 397-9308
Jal	Jal, NM	(575) 395-2221
Kermit	Kermit, TX	(432) 586-3468
Lovington	Lovington, NM	(575) 396-2359
Maljamar	Maljamar, NM	(575) 676-4100
Monahans	Monahans, TX	(432) 943-4343
Nara Visa	Nara Visa, NM	(505) 461-3300
Pecos	Pecos, TX	(432) 445-2421
Seminole	Seminole, TX	(432) 758-3676 (432) 758-9871

Ambulance

Amistad/Rosebud	Amistad/Rosebud, NM	(505) 633-9113	
Andrews Ambulance	Andrews, TX	(432) 523-5675	
Artesia Ambulance	Artesia, NM	(575) 746-2701	
Carlsbad Ambulance	Carlsbad, NM	(575) 885-2111; 911	
Clayton, NM	Clayton, NM	(575) 374-2501	
Denver City Ambulance	Denver City, TX	(806) 592-3516	,
Eunice Ambulance	Eunice, NM	(575) 394-3258	
Hobbs, NM	Hobbs, NM	(575) 397-9308	
Jal, NM	Jal, NM	(575) 395-2501	
Lovington Ambulance	Lovington, NM	(575) 396-2811	
Nara Visa, NM	Nara Visa, NM	(505) 461-3300	
Pecos Ambulance	Pecos, TX	(432) 445-4444	,
Seminole Ambulance	Seminole, TX	(432) 758-8816 (432) 758-9871	

Medical Air Ambulance Service

AEROCARE - Methodist Hospital	Lubbock, TX	(800) 627-2376	· ·
San Angelo Med-Vac Air Ambulance	San Angelo, TX	(800) 277-4354	
Southwest Air Ambulance Service	Stanford, TX	(800) 242-6199	
Southwest MediVac	Snyder, TX	(800) 242-6199	
Southwest MediVac	Hobbs, NM	(800) 242-6199	
Odessa Care Star	Odessa, TX	(888) 624-3571	, ,
NWTH Medivac	Amarillo, TX	(800) 692-1331	

SURFACE USE PLAN OF OPERATIONS

Operator Name

OXY USA WTP LP - 192463

Federal Lease No. NMLC064050

Lease Name/Number

OXY Commodore Federal #1

Surface Location:

1980 FSL 1980 FWL NESW(K) Section 26 T17S R27E Eddy Cty, NM

1. Existing Roads

a. A copy of a USGS "Spring Lake, New Mexico" quadrangle map is attached showing the proposed location. The well location is spotted on this map, which shows the existing road system.

- b. The well was staked by Gary Eidson, Certificate No. 12641 on 12/14/2006.
- c. Directions to Location: From the intersection of CR 204 and CR 228 go northwest on dirt rd approx 0.15 miles. Running beside Duke PL for approx. 0.95 miles. Then turn left and go south approx. 0.7 miles to proposed access rd. Follow access rd. east/southeast approx. 700 feet. This location is approx. 600 feet south/southeast to southwest corner of proposed pad.

2. New or Reconstructed Access Roads:

- a. A new access road will be built. The access road will run approximately 1404' southeast from an existing road to the location. See Exhibit #2.
- b. The maximum width of the road will be 15'. It will be crowned and made up of 6" of rolled and compacted caliche. Water will be deflected, as necessary, to avoid accumulation and prevent surface erosion.
- c. Surface material will be native caliche. This material will be obtained from a BLM approved pit nearest in proximity to the location. The average grade will be approximately 1%.
- d. No cattle guards, grates or fence cuts will be required. No turnouts are planned.

3. Location of Existing Wells:

Existing wells within a one mile radius of the proposed well are shown on Exhibit #3.

4. Location of Existing and/or Proposed Production Facilities.

- a. In the event the well is found productive, the OXY Comodore Federal tank battery would be utilized and the necessary production equipment will be installed at the well site. See proposed Production Facilities Layout diagram, Exhibit #4.
- b. If necessary, electric power poles will be set along side of the access road.
- c. All flowlines will adhere to API Standards. See proposed Production Facilities Layout diagram, Exhibit #4

5. Location and types of Water Supply.

This well will be drilled using a combination of water mud systems. It will be obtained from commercial water stations in the area and will be hauled to location by transport truck using existing and proposed roads.

6. Construction Materials:

All caliche utilized for the drilling pad and proposed access road will be obtained from an existing BLM approved pit or from prevailing deposits found under the location. Will use BLM recommended use of extra caliche from other locations close by for roads, if available.

7. Methods of Handling Waste Material:

- a. A closed loop system will be utilized consisting of above ground steel tanks and haul-off bins. Disposal of liquids, drilling fluids and cuttings will be disposed of at an approved facility, see C-144 CLEZ.
 - 1. Solids CRI
 - 2. Liquids Laguna
- b. All trash, junk, and other waste material will be contained in trash cages or bins to prevent scattering.

 When the job is completed, all contents will be removed and disposed of in an approved sanitary landfill.
- c. The supplier, including broken sacks, will pick up slats remaining after completion of well.
- d. A Porto-john will be provided for the rig crews. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.
- e. Disposal of fluids to be transported will be by the following companies: TFH Ltd. Laguna SWD Facility

8. Ancillary Facilities: None needed

9. Well Site Layout

Exhibit #5 shows the proposed well site layout with dimensions of the pad layout and equipment location.

10. Plans for Surface Reclamation:

- a. After concluding the drilling and/or completion operations, if the well is found non-commercial, the caliche will be removed from the pad and transported to the original caliche pit or used for other drilling locations. The road will be reclaimed as directed by the BLM. The original top soil will again be returned to the pad and contoured, as close as possible, to the original topography.
- b. If the well is deemed commercially productive, caliche from areas of the pad site not required for operations will be reclaimed. The original top soil will be returned to the area of the drill pad not necessary to operate the well. These unused areas of the drill pad will be contoured, as close as possible, to match the original topography.

11. Surface Ownership

The surface is owned by the U.S. Government and is administered by the BLM. The surface is multiple use with the primary uses of the region for the grazing of livestock and the production of oil and gas. The surface is leased to: Bogle Ltd., P.O. Box 460, Dexter, NM 88230.

They will be notified of our intention to drill prior to any activity.

12. Other Information

- a. The vegetation cover is generally sparse consisting of mesquite, yucca, shinnery oak, sandsage and perennial. native range grass. The topsoil is sandy in nature. Wildlife in the area is also sparse consisting of deer, coyotes, rabbits, rodents, reptiles, dove and quail.
- b. There is no permanent or live water in the general proximity of the location.
- c. There are no dwellings within 2 miles of the proposed well site.
- d. A Cultural Resources Examination will be completed by Boone Archaeological Services, LLC and forwarded to the BLM office in Carlsbad, NM.

13. Bond Coverage:

Bond Coverage is Nationwide Bond No. ES0136.

Operators Representatives:

The OXY Permian representatives responsible for ensuring compliance of the surface use plan are listed below.

Larry Sammons

Production Coordinator

P.O. Box 1988

Carlsbad, NM <u>8</u>8220

Office Phone: 565-887-8337

Cellular: 575-390-8397

Fetus Hagan

Drilling Superintendent

P.O. Box 50250

Midland, TX 79710

Office Phone: 432-685-5719

Cellular: 432-894-5352

Richard Jackson

Drilling Engineering Supervisor

P.O. Box 4294

Houston, TX 77210

Office Phone: 713-215-7235

Cellular: 281-467-6383

Van Barton

Production Coordinator

P.O. Box 1988

Carlsbad, NM _88220 Office Phone: 565-887-8337

Cellular: 575-706-7671

Calvin (Dusty) Weaver

Operation Specialist

P.O. Box 2000

Levelland, TX 79336

Office Phone: 806-229-9467

Cellular: 806-893-3067

Mario Campos

Drilling Engineer

P.O. Box 4294

Houston, TX 77210

Office Phone: 713-215-7181

OPERATOR CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions that presently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this day of Pottor., 2008.

$\mathcal{L}_{\mathcal{L}}}}}}}}}}$
Name: / Herry Karend
Position: Reservbir Management Team Leader
Address: 5 Breenway Plaza Sute 110 Houston, TX 77046
Telephone: 7/3-366-50/6
E-mail: (optional): Barry-Beresik @ ofly.com
Company: Occidental Oil and Gras Corporation
Field Representative (if not above signatory): Larry Sammons
Address (If different from above): 102 S. Main Carlsband, NM 86220
Telephone (if different from above): 575-887-8337
E-mail (if different from above): Larry-Sammons @ Oxy.com

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:

LEASE NO.:

WELL NAME & NO.:

SURFACE HOLE FOOTAGE:

BOTTOM HOLE FOOTAGE

LOCATION:

COUNTY:

COUNTY:

DOXY USA WIP Limited Partnership

LC064050

OXY Commodore Federal # 1

1980' FSL & 1980' FWL

Same

Section 26, T. 17 S., R 27 E., NMPM

Eddy County, New Mexico

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Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

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I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

IV. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

Conditions of Approval Cave and Karst

** Depending on location, additional Drilling, Casing, and Cementing procedures may be required by engineering to protect critical karst groundwater recharge areas.

Cave/Karst Surface Mitigation

The following stipulations will be applied to minimize impacts during construction, drilling and production.

Construction:

In the advent that any underground voids are opened up during construction activities, construction activities will be halted and the BLM will be notified immediately.

Pad Berming:

The pad will be bermed with a horseshoe-shaped berm on the south side to prevent oil, salt, and other chemical contaminants from leaving the pad.

Closed Mud System Using Steel Tanks with All Fluids and Cuttings Hauled Off. A closed mud system using steel tanks for all cuttings and fluids is required. All fluids

A closed mud system using steel tanks for all cuttings and fluids is required. All flu and cuttings will be hauled off site for disposal. No pits are allowed.

Tank Battery Liners and Berms:

Tank battery locations will be lined and bermed. A 20 mil permanent liner will be installed with a 4 oz. felt backing to prevent tears or punctures. Tank battery berms must be large enough to contain 1 ½ times the content of the largest tank.

Leak Detection System:

A method of detecting leaks is required. The method could incorporate gauges to measure loss, situating values and lines so they can be visually inspected, or installing electronic sensors to alarm when a leak is present. Leak detection plan will be submitted to BLM for approval.

Automatic Shut-off Systems:

Automatic shut off, check values, or similar systems will be installed for pipelines and tanks to minimize the effects of catastrophic line failures used in production or drilling.

Cave/Karst Subsurface Mitigation

The following stipulations will be applied to protect cave/karst and ground water concerns:

Rotary Drilling with Fresh Water:

Fresh water will be used as a circulating medium in zones where caves or karst features are expected. SEE ALSO: Drilling COAs for this well.

Directional Drilling:

Kick off for directional drilling will occur at least 100 feet below the bottom of the cave occurrence zone. SEE ALSO: Drilling COAs for this well.

Lost Circulation:

ALL lost circulation zones from the surface to the base of the cave occurrence zone will be logged and reported in the drilling report.

Regardless of the type of drilling machinery used, if a void of four feet or more and circulation losses greater than 70 percent occur simultaneously while drilling in any cavebearing zone, the BLM will be notified immediately by the operator. The BLM will assess the situation and work with the operator on corrective actions to resolve the problem.

Abandonment Cementing:

Upon well abandonment in high cave karst areas additional plugging conditions of approval may be required. The BLM will assess the situation and work with the operator to ensure proper plugging of the wellbore.

Pressure Testing:

Annual pressure monitoring will be performed by the operator on all casing annuli and reported in a sundry notice. If the test results indicated a casing failure has occurred, remedial action will be undertaken to correct the problem to the BLM's approval.

Communitization Agreement

A Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the BLM. The effective date of the agreement shall be prior to any sales.

Reporting

- 1. Subsequent sundries to be filed with drilling details about spud, casing and completion work.
- 2. Completion report to be sent within 30 days of completion. Completion report to have all items completed.

VI. CONSTRUCTION

V-DOOR EAST, RESTRICT PAD TO SOUTH TO 150 FT., AND CONSTRUCT A HORSESHOE TYPE BERM, OFF SOUTH EDGE OF PAD, TO PREVENT SPILLAGE INTO LOGAN DRAW.

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (575) 234-5972 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall stockpile the topsoil of the well pad. The topsoil to be stripped is approximately 6 inches in depth. The topsoil shall not be used to backfill the reserve pit and will be used for interim and final reclamation.

C. RESERVE PITS

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS PIT

If the operator elects to surface the access road and/or well pad, mineral materials extracted during construction of the reserve pit may be used for surfacing the well pad and access road and other facilities on the lease.

Payment shall be made to the BLM prior to removal of any additional federal mineral materials from any site other than the reserve pit. Call the Carlsbad Field Office at (575) 234-5972.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation.

The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. ON LEASE ACCESS ROADS

Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed thirty (30) feet.

Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

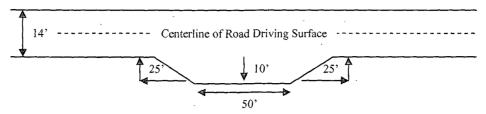
Ditching

Ditching shall be required on both sides of the road.

Turnouts

Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall be constructed on all blind curves. Turnouts shall conform to the following diagram:

Standard Turnout - Plan View

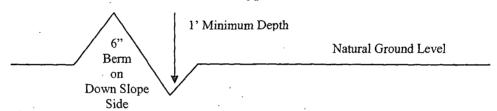


Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

400 foot road with 4% road slope:
$$\frac{400!}{4\%} + 100! = 200!$$
 lead-off ditch interval

Culvert Installations

Appropriately sized culvert(s) shall be installed at the deep waterway channel flow crossing.

Cattleguards

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s).

Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations.

A gate shall be constructed and fastened securely to H-braces.

Fence Requirement

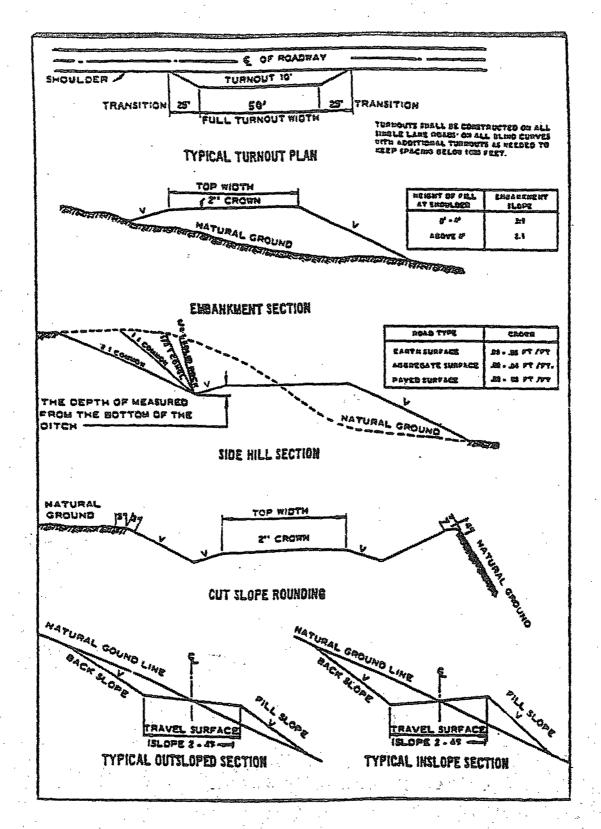
Where entry is required across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting.

The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).

Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Figure 1 - Cross Sections and Plans For Typical Road Sections



VII. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

- a. Spudding well
- b. Setting and/or Cementing of all casing strings
- c. BOPE tests

Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

- 1. A Hydrogen Sulfide (H2S) Drilling Plan should be activated 500 feet prior to drilling into the Yates formation. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.
- 2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
- 3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

B. CASING

Changes to the approved APD casing and cement program require submitting a sundry and receiving approval prior to work. Failure to obtain approval prior to work will result in an Incident of Non-Compliance being issued.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

High cave/karst.

Possible lost circulation in the Grayburg and San Andres formations.

- 1. The 13-3/8 inch surface casing shall be set at approximately 400 feet within the Tansill Dolomite and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with a surface log readout will be used or a cement bond log shall be run to verify the top of the cement.
 - b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
 Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.

If 75% or greater lost circulation occurs while drilling the intermediate casing hole, the cement on the production casing must come to surface.

Formation below the 9-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe and the mud weight for the bottom of the hole. Report results to BLM office.

- 3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - a. First stage to DV tool, cement shall:
 - Cement to circulate. If cement does not circulate, contact the appropriate BLM office, before proceeding with second stage cement job.

- b. Second stage above DV tool, cement shall:
- Cement should tie-back at least 500 feet into previous casing string. Operator shall provide method of verification.

Contingency Casing Plan:

If 75% or greater lost circulation occurs while drilling the intermediate casing hole, the cement on the 7" casing must come to surface.

- 4. The minimum required fill of cement behind the 7 inch production casing is:
 - Cement should tie-back at least 500 feet into previous casing string. Operator shall provide method of verification. Additional cement will probably be required as excess cement calculated to 5%.

Formation below the 7" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe and the mud weight for the bottom of the hole. Report results to BLM office.

- 5. The minimum required fill of cement behind the 4-1/2 inch production liner is:
 - Cement to come to top of liner. Operator shall provide method of verification.
- 6. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

C. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 2000 (2M) psi.
- 3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 9-5/8" intermediate casing shoe shall be 5000 (5M) psi.

- 4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. The tests shall be done by an independent service company.
 - b. The results of the test shall be reported to the appropriate BLM office.
 - c. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
 - d. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.
 - e. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the **Wolfcamp** formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.
 - f. Effective November 1, 2008, no variances will be granted on reduced pressure tests on the surface casing and BOP/BOPE. Onshore Order 2 requirements will be in effect.

D. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the **Wolfcamp** formation, and shall be used until production casing is run and cemented.

E. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

WWI 121108

VIII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

Containment Structures

The containment structure shall be constructed to hold the capacity of the entire contents of the largest tank, plus 24 hour production, unless more stringent protective requirements are deemed necessary by the Authorized Officer.

Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color Shale Green, Munsell Soil Color Chart # 5Y 4/2

IX. INTERIM RECLAMATION & RESERVE PIT CLOSURE

A. INTERIM RECLAMATION

If the well is a producer, interim reclamation shall be conducted on the well site in accordance with the orders of the Authorized Officer. The operator shall submit a Sundry Notices and Reports on Wells (Notice of Intent), Form 3160-5, prior to conducting interim reclamation.

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

The operators should work with BLM surface management specialists to devise the best strategies to reduce the size of the location. Any reductions should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

Seed Mixture 4, for Gypsum Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be <u>no</u> primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

Species		<u>lb/acre</u>
Alkali Sacaton (Sporobolus airoides) DWS Four-wing saltbush (Atriplex canescens)	-	1.0 5.0

DWS: DeWinged Seed

Pounds of seed x percent purity x percent germination = pounds pure live seed (Insert Seed Mixture Here)

^{*}Pounds of pure live seed:

X. FINAL ABANDONMENT & REHABILITATION REQUIREMENTS

Upon abandonment of the well and/or when the access road is no longer in service the Authorized Officer shall issue instructions and/or orders for surface reclamation and restoration of all disturbed areas.

On private surface/federal mineral estate land the reclamation procedures on the road and well pad shall be accomplished in accordance with the private surface land owner agreement.